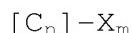


AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at line 28 of page 3 and bridging pages 3 and 4 of the originally filed specification with the following:

-- According to an advantageous embodiment, the functionalized carbon nanotubes of the invention have the following general formula:



wherein:

C_n are surface carbons of a substantially cylindrical carbon nanotube of substantially constant diameter, said diameter being from about 0.5 to about 50 nm, in particular from about 0.5 to 5 nm for SWNTs and from about 20 to about 50 nm for MWNTs,

X represents one or several functional groups, identical or different, each functional group comprising at least one effective group,

n is an integer from about $3 \cdot 10^3$ 3×10^3 to about $3 \cdot 10^6$,
 3×10^6 ,

m is an integer from about 0.001n to about 0.1n, there are from about $2 \cdot 10^{-11}$ 2×10^{-11} moles to about $2 \cdot 10^{-9}$ 2×10^{-9} moles of X functional moles of X functional groups per cm^2 of carbon nanotube surface. --

Please replace the paragraph beginning at line 24-26 of page 4 of the originally filed specification with the following:

-- The distribution of functional groups per cm² of carbon nanotube surface which is advantageously of $2 \cdot 10^{-11}$ 2×10^{-11} moles to $2 \cdot 10^{-9}$ 2×10^{-9} moles can be determined by DSC (differential scanning calorimetry), TGA (thermo gravimetric assay), titrations and spectrophotometric measurements.--